

## **APPENDIX**

## APPENDIX



Appendix Figure 1 Constructing reinforcement case of test specimens



Appendix Figure 2 Constructing formwork of test specimens



Appendix Figure 3 Reinforcement steel cages



Appendix Figure 4 Concrete casting



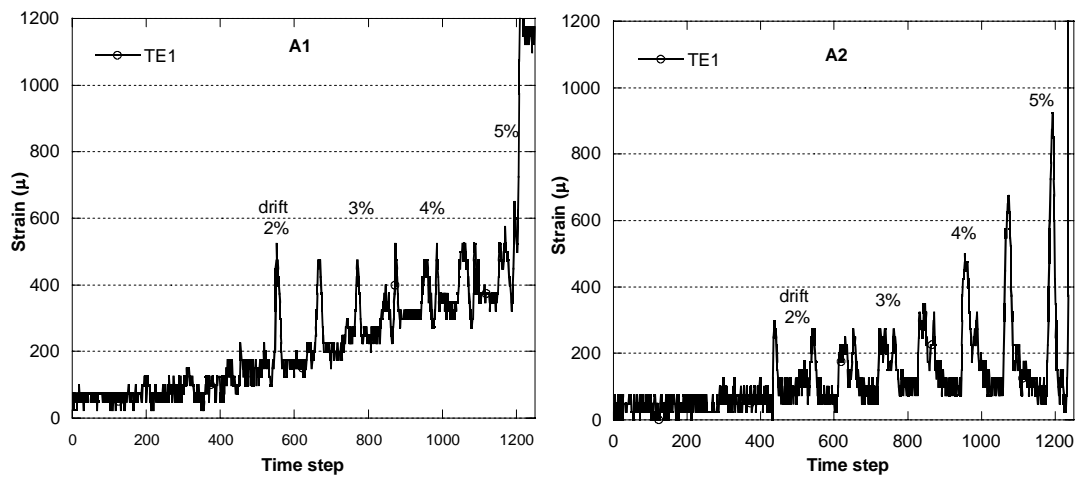
Appendix Figure 5 Reinforced concrete specimens



Appendix Figure 6 Removing test specimen to the test laboratory



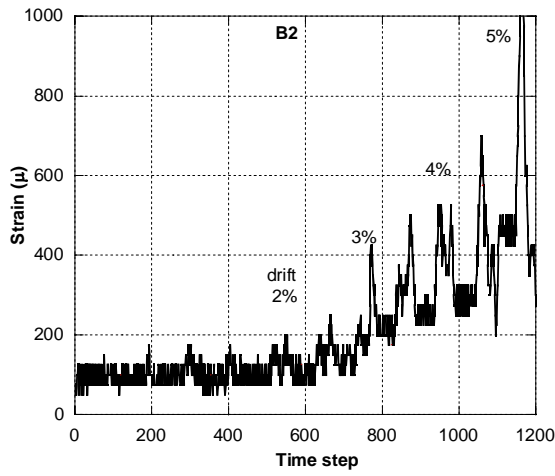
Appendix Figure 7 Connecting the measured strain gages to data logger



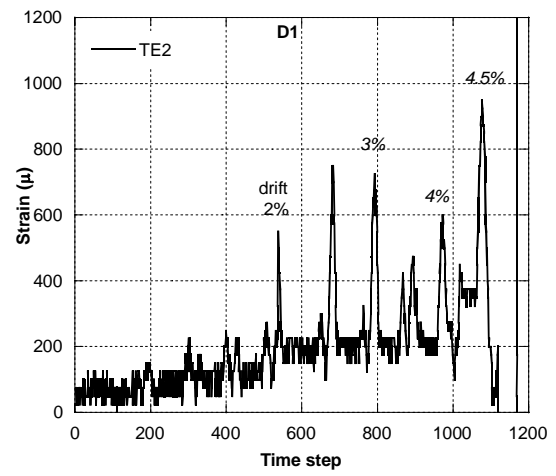
a) Specimen A1

b) Specimen A2

Appendix Figure 8 Measured strain record in tie reinforcements of test specimens

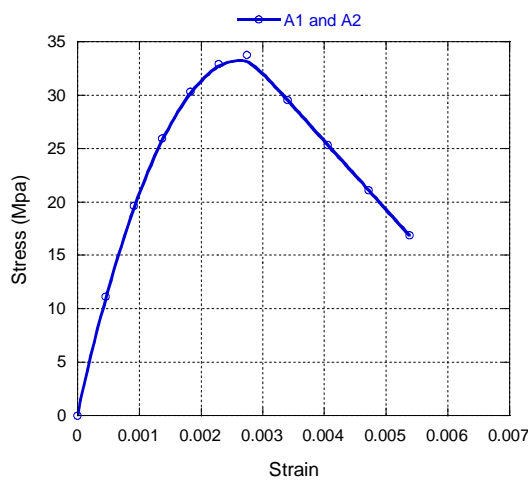


c) Specimen B2

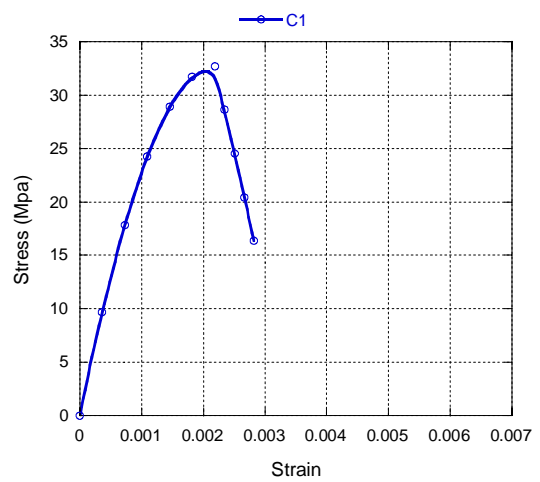


d) Specimen D1

Appendix Figure 8 (Continued)

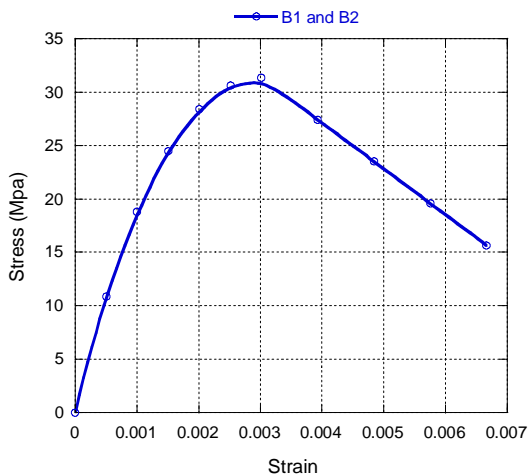


a) Specimen A1 and A2

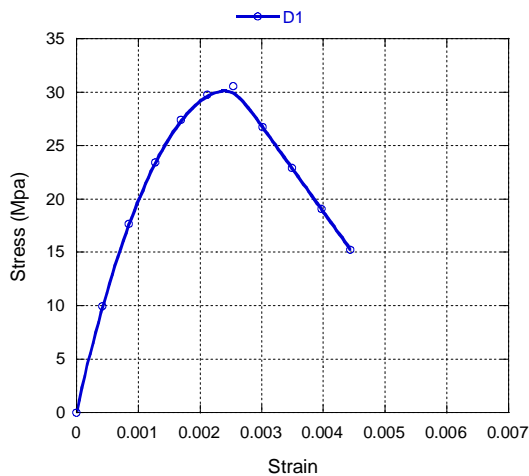


b) Specimen C1

Appendix Figure 9 Stress vs. strain from analytical studies of core concrete of test specimens

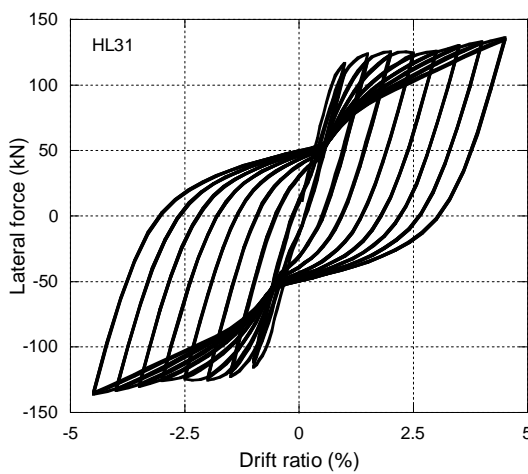


c) Specimen B1 and B2

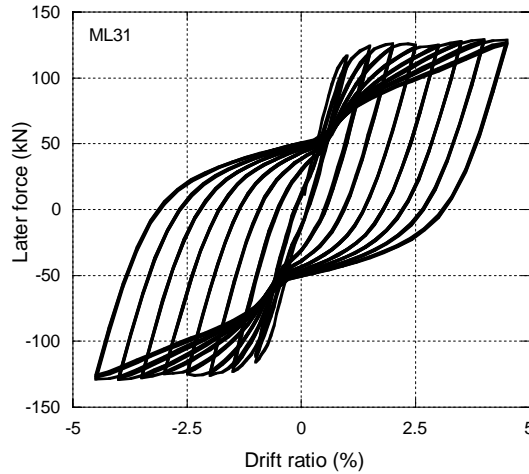


d) Specimen D1

Appendix Figure 9 (Continued)

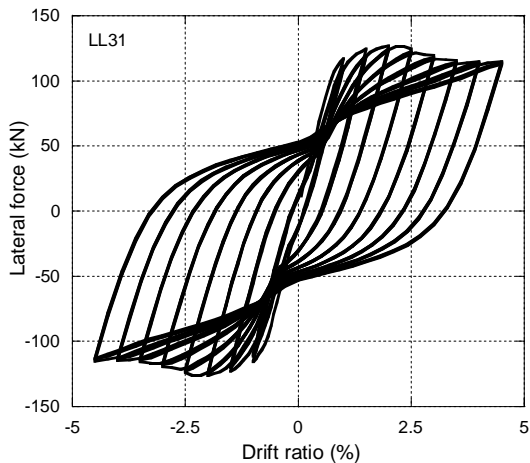


a) Specimen HL31

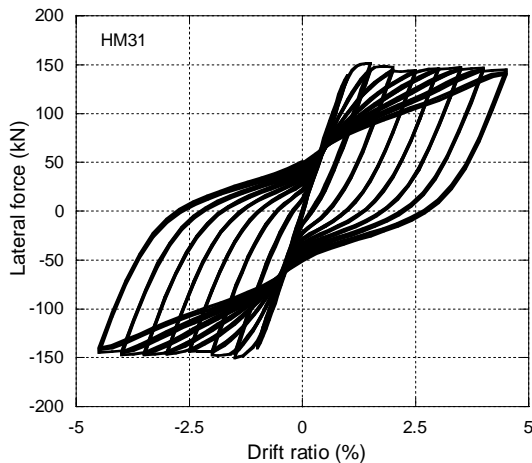


b) Specimen ML31

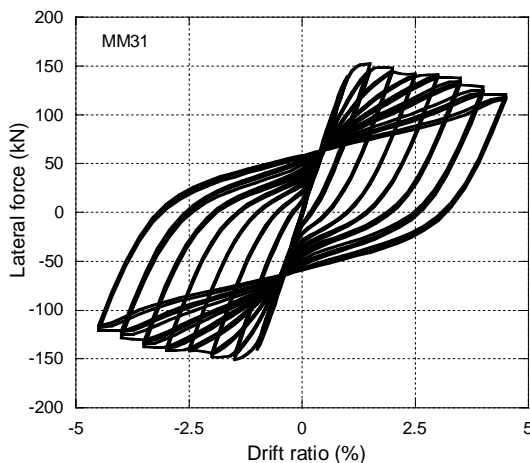
Appendix Figure 10 Lateral force vs. drift ratio hystereses from analytical studies of analyzed specimens



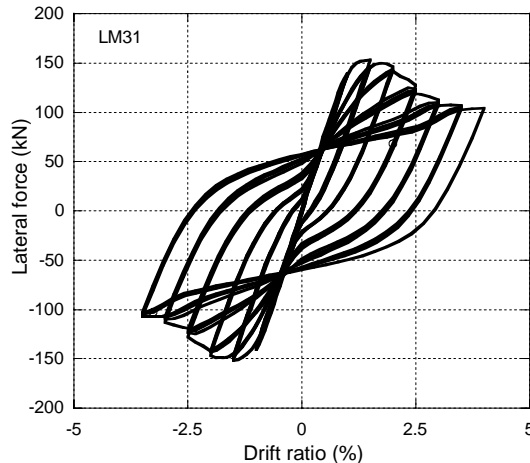
c) Specimen LL31



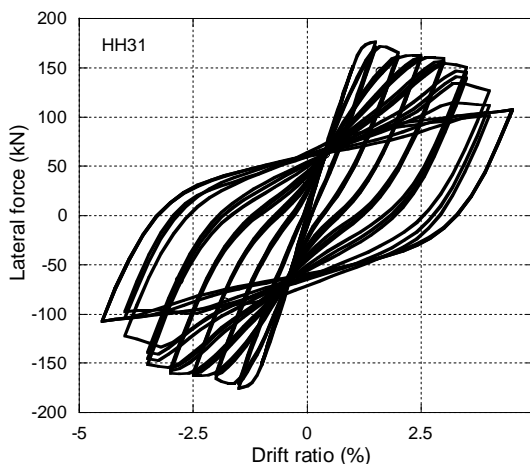
d) Specimen HM31



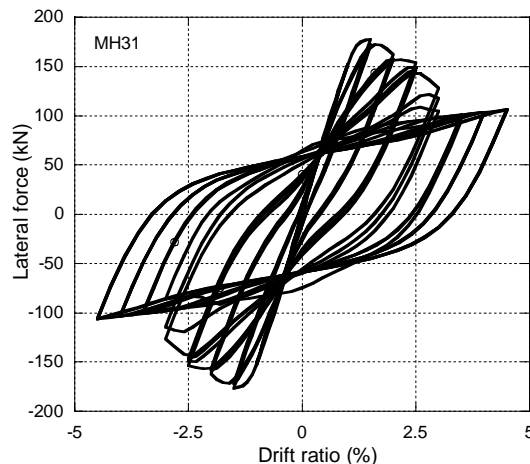
e) Specimen LL31



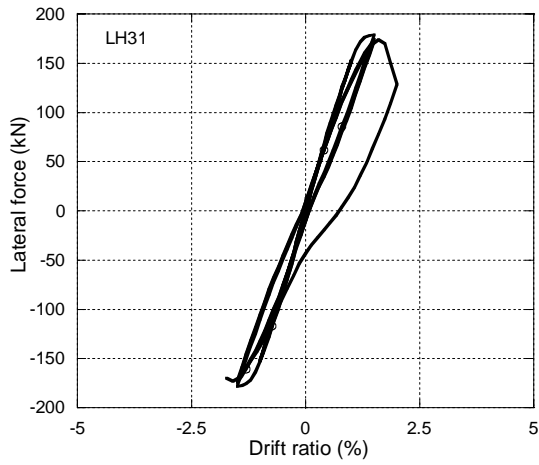
f) Specimen HM31



g) Specimen HH31

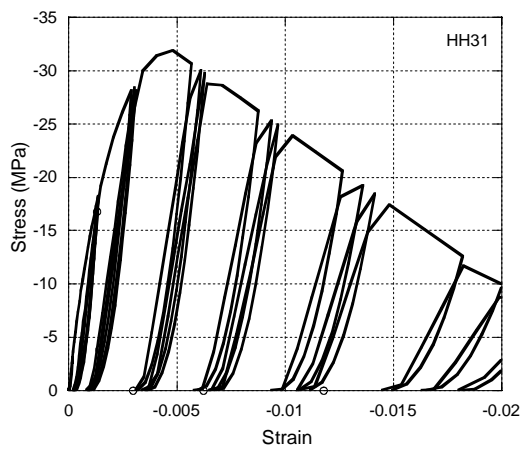


h) Specimen MH31

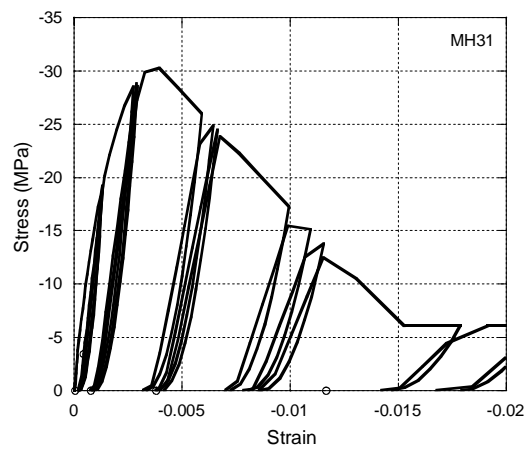


i) Specimen LH31

Appendix Figure 10 (Continued)

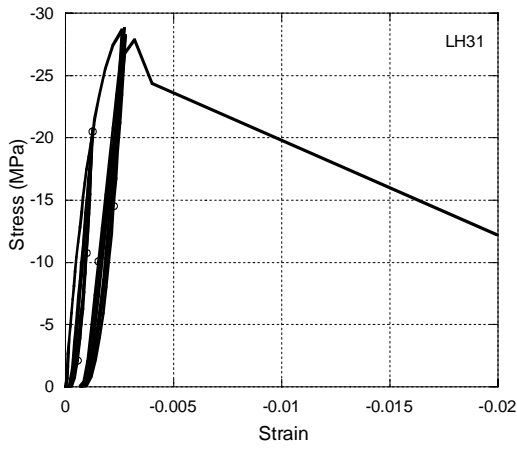


a) Specimen HH31

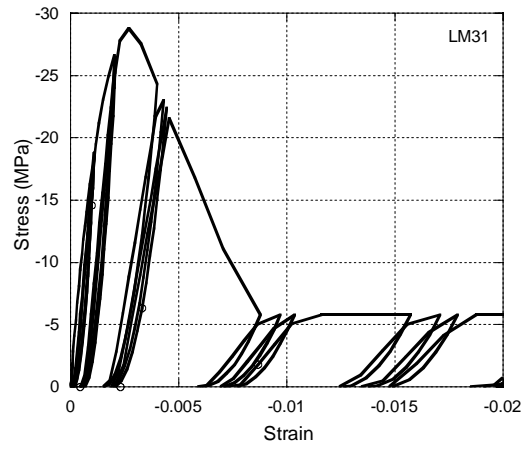


b) Specimen MH31

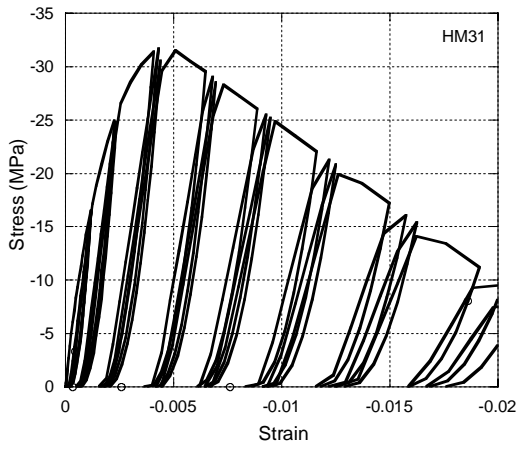
Appendix Figure 11 Stress vs. strain from analytical studies of analyzed specimens



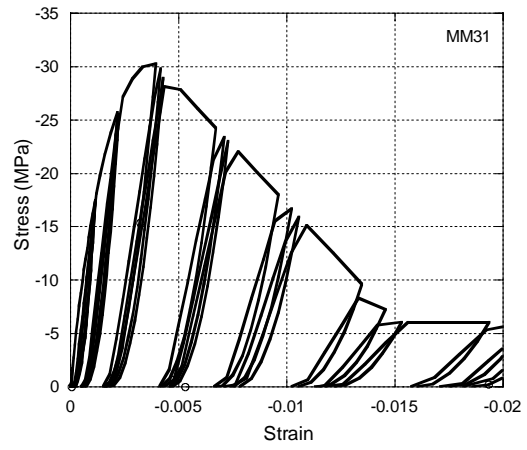
c) Specimen LH31



d) Specimen LH31



e) Specimen HM31



f) Specimen MM31

Appendix Figure 11 (Continued)

**CURRICULUM VITAE**

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